



A. Nucleotide sequence of the rice alpha-amylase expression vector TTO1A 103L:

	XhoI	PstI	SphI	NcoI	
5'	<u>CTCGAGATCAATCATCCATCTCCGAAGTGTGTCTGCAGC</u>	<u>ATG</u>	<u>CAG</u>	GTG CTG AAC <u>ACC</u>	<u>ATG</u> GTG
	Met Gln Val Leu Asn Thr Met Val				
AAC AAA CAC TTC TTG TCC CTT TCG GTC CTC ATC GTC CTC CTT GGC CTC TCC					
Asn Lys His Phe Leu Ser Leu Ser Val Leu Ile Val Leu Leu Gly Leu Ser					
TCC AAC TTG ACA GCC GGG   CAA GTC 3'					
Ser Asn Leu Thr Ala Gly   Gln Val					

B. Nucleotide sequence of the rice alpha-amylase expression vector TTO1A 103:

	XhoI	SphI	NcoI	
5'	<u>CTCGAGGTGC</u>	<u>ATG</u>	<u>CAG</u>	GTG CTG AAC <u>ACC</u>
	Met Gln Val Leu Asn Thr Met Val			
AAC AAA CAC TTC TTG TCC CTT TCG GTC CTC ATC GTC CTC CTT GGC CTC TCC				
Asn Lys His Phe Leu Ser Leu Ser Val Leu Ile Val Leu Leu Gly Leu Ser				
TCC AAC TTG ACA GCC GGG   CAA GTC 3'				
Ser Asn Leu Thr Ala Gly   Gln Val				

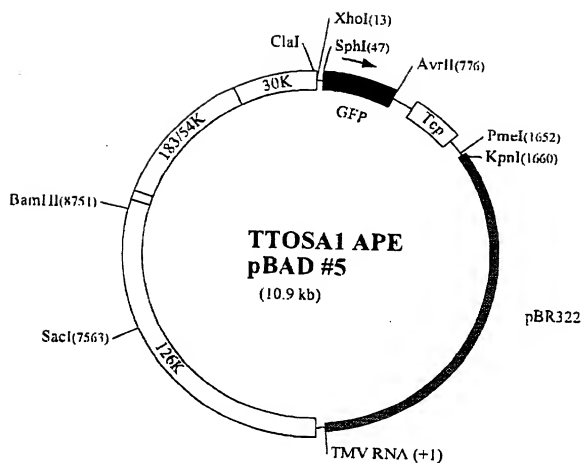


FIGURE 3

AAC AAA CAC TTC TTG TCC CTT TCG GTC CTC ATC GTC CTC CTT GGC CTC TCC  
Asn Lys His Phe Leu Ser Leu Ser Val Leu Ile Val Leu Leu Gly Leu Ser

AAC AAA CAC TTC TTG TCC CTT TCG GTC CTC ATC GTC CTC CTT GGC CTC TCC  
Asn Lys His Phe Leu Ser Leu Ser Val Leu Ile Val Leu Leu Gly Leu Ser

TCC AAC TTG ACA GCC GGG | CAA GTC....GGC CCA <sup>PmeI ↓</sup> GTT TAA ACG GTA CC <sup>KpnI ↓</sup> 3'

Ser Asn Leu Thr Ala Gly | Gln Val

FIGURE 4

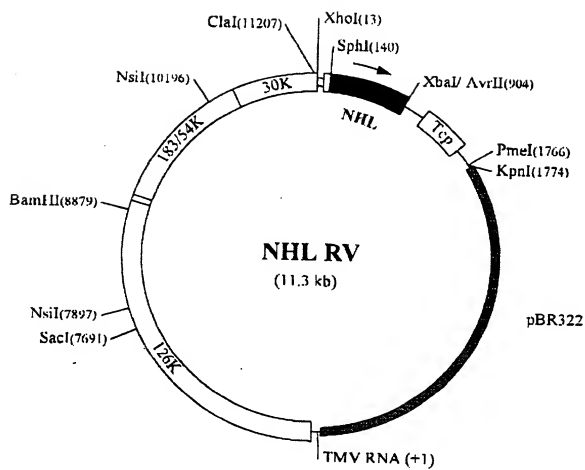


FIGURE 5

Nucleotide sequence of the BA46 expression vector TTUDABP:

BglII  
5' AGATCTTACAGTA

NcoI  
TCACTACTCCATCTCAGTTCGTGTTCTTGTCATTAAAT ATG CAG GTG CTG AAC ACC ATG GTG  
Met Gln Val Leu Asn Thr Met Val

AAC AAA CAC TTC TTG TCC CTT TCG GTC CTC ATC GTC CTC CTT GGC CTC TCC  
Asn Lys His Phe Leu Ser Leu Ser Val Leu Ile Val Leu Leu Gly Leu Ser

SphI  
TCC AAC TTG ACA GCC GGC ATG CTC 3'  
Ser Asn Leu Thr Ala Gly Met Leu

FIGURE 6

Nucleotide sequence of the hemoglobin expression vector RED1:

BglII

5' AGATCTTACGTA

NcoI

TCACTACTCCATCTCAGTTCGTGTTCTTGTCATTAAT ATG CAG GTG CTG AAC ACC ATG GTG  
Met Gln Val Leu Asn Thr Met Val

AAC AAA CAC TTC TTG TCC CTT TCG GTC CTC ATC GTC CTC CTT GGC CTC TCC  
Asn Lys His Phe Leu Ser Leu Ser Val Leu Ile Val Leu Leu Gly Leu Ser

SphI

TCC AAC TTG ACA GCC GGC ATG CTC CAC CTG ACT CCT GAG GAG AAG 3'  
Ser Asn Leu Thr Ala Gly | Met Leu His Leu Thr Pro Glu Glu Lys

FIGURE 7